

CERTIFICATE OF MAILING

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3/19/02

Date of Deposit

Jonathan M. Blanchard, Ph.D.

Name of Applicant, Assignee or
Registered Representative

Blanchard

Signature

3/19/02

Date of Signature



Our Case No.: 10907-5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Liu, C.

Serial No.: 10/025,185

Filing Date: December 19, 2001

For: A NOVEL LINEAR ASSAY USING
BIOTIN/STREPTAVIDIN-CYANINE
DYES FOR SIGNAL
AMPLIFICATION ON
APPLICATION OF HYDROGEL
BASED 2D AND 3D BIOCHIP

Examiner: To be assigned

Group Art Unit No.: To be assigned

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of

record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

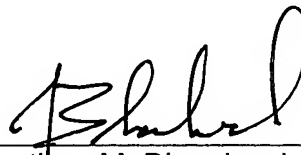
This application is a continuation application of U.S. Serial No. 09/928,250, filed August 9, 2001 and is relied upon for an earlier filing dated under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) only copies of documents not previously cited and submitted to the Patent and Trademark Office in the prior application Serial No. 09/928,250 are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(e)(1), Applicant(s) hereby certify that each item of the information disclosed in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more

than three months prior to filing of the present statement, as evidenced by the date of the enclosed search report.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'J. Blanchard', written over a horizontal line.

Jonathan M. Blanchard, Ph.D.
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Attorney for Applicant(s)

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FORM PTO-1449	SERIAL NO. 10/025,185	CASE NO. 10907-5
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE December 19, 2001	GROUP ART UNIT TBA
APPLICANT(S): Liu, C.		

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,935,339	6/19/1990	Zahradnik		
	A2	5,196,306	3/23/1993	Bobrow et al.		
	A3	5,888,733	3/30/1999	Hyldig-Nielsen et al.		
	A4	6,087,102	7/11/2000	Chenchik et al.		
	A5	6,096,508	8/01/2000	Lemar et al.		
	A6	6,124,120	9/26/2000	Lizardi		
	A7	6,133,429	10/17/2000	Davis et al.		
	A8	6,203,989 B1	3/20/2001	Goldberg et al.		
	A9	5,981,734	11/09/1999	Mirzabekov		
	A10	5,932,711	08/03/1999	Boles et al.		
	A11	4,789,737	12/06/1988	Miyoshi et al.		
	A12	5,808,044	09/15/1998	Brush et al.		
	A13	5,371,241	12/06/1994	Brush		
	A14	6,001,966	12/14/1999	Pieken et al.		
	A15	5,583,001	12/10/1996	Bobrow et al.		
	A16	5,731,158	03/24/1998	Bobrow et al.		

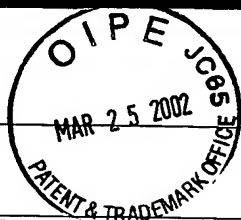
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A17	WO 00/31148	6/02/2000	PCT			
	A18	WO 00/18962	4/06/2000	PCT			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A19	Sproat, B., <i>Chemistry and applications of oligonucleotide analogues</i> , Journal of Biotechnology 41 (1995) 221-238
	A20	<i>Covalent Coupling</i> , at http://www.exiqon.com/technology/covalent.htm
	A21	Beaucage, S., <i>Oligodeoxyribonucleotides Synthesis: Phosphoramidite Approach</i> (Chapter 3), Methods in Molecular Biology, Vol. 20, 33-61.
	A22	Jacobsen, N., M.Sc., <i>Technical Note: DNA Immobilizer™</i> at http://www.exiqon.com/upload/lib_DNA01.pdf
	A23	Jacobsen, N., M.Sc., <i>Technical Note: DNA Immobilizer™</i> at http://www.exiqon.com/upload/lib_DNA02.pdf
	A24	Verma, S., <i>Modified Oligonucleotides: Synthesis and Strategy for Users</i> , Annu. Rev. Biochem., 1998, Vol. 67, pages 99-134.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449	SERIAL NO. 10/025,185	CASE NO. 10907-5
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	FILING DATE December 19, 2001	GROUP ART UNIT TBA
APPLICANT(S): Liu, C.		

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A25	Yamakazi et al., Journal of the American Chemical Society, 91, 520 (1969).
	A26	Cargill et al., Journal of Organic Chemistry, Vol. 36, No. 10, 1971
	A27	Caruthers, M., Chemical Synthesis of Deoxyoligonucleotides by the Phosphoramidite Method, Methods in Enzymology, Vol. 154, pages 287-313
	A28	Alexa Fluor: Simply the Best and Brightest Fluorescent Conjugates, found at http://www.probes.com/media/publications/150.pdf
	A29	Article, Amine-Reactive Probes, Molecular Probes Product Information (Revised: 26-December-2001)
	A30	Article, Alexa Fluor® 532 Protein Labeling Kit (A-10236), Molecular Probes Product Information (Revised: 01-October-2001)
	A31	Article, Alexa Fluor® Oligonucleotide Amine Labeling Kits, Molecular Probes Product Information (Revised: 06-April-2001)
	A32	Shi, L., DNA Microarray (Genome Chip)—Monitoring the Genome on a Chip, found at http://www.gene-chips.com/
	A33	Verma, S., Modified oligonucleotides: synthesis and strategy for users, found at http://www.ncbi.nlm.nih.gov:80
	A34	PubMed search results for "phosphoramidite chemistry" from summary fields. Retrieved on 31 March 2000. 59 hits found on 9 pages http://www.ncbi.nlm.nih.gov:80
	A35	STN structure search performed on 21 July 2000 in Registry File.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.